

Product datasheet

Anti-Thomsen-Friedenreich Antigen antibody [A78-G/A7] ab80553

2 References

Overview

Product name	Anti-Thomsen-Friedenreich Antigen antibody [A78-G/A7]
Description	Mouse monoclonal [A78-G/A7] to Thomsen-Friedenreich Antigen
Host species	Mouse
Specificity	ab80553 is specific for both anomeric forms of the disaccharide (TFalpha and TFbeta, including related structures on the glycolipid) and shows no cross reactivity with sialylated glycophorin.
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Rat, Human
Immunogen	Neuraminidase-treated human red blood cells.
Epitope	Galβ1-3GalNAc
Positive control	KG1 cells. Human colorectal carcinoma tissue. Human colon adenocarcinoma tissue.
General notes	

ab80553 can be applied for the detection of cells with Thomsen-Friedenreich antigen and is especially applicable for sensitive determination of neuraminidases. It can be used on frozen and formalin fixed, paraffin fixed tissues and is capable of agglutinating desialylated red blood cells (Karsten et al, 1995).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 10mM PBS, pH 7.4
Purity	Ammonium Sulphate Precipitation
Purification notes	Purified from the ascites fluid by ammonium sulfate precipitation.
Primary antibody notes	ab80553 can be applied for the detection of cells with Thomsen-Friedenreich antigen and is especially applicable for sensitive determination of neuraminidases. It can be used on frozen and formalin fixed, paraffin fixed tissues and is capable of agglutinating desialylated red blood cells (Karsten et al, 1995).

Clonality	Monoclonal
Clone number	A78-G/A7
Isotype	IgM
Light chain type	kappa

Applications

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The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/25 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. 1/25 - 1/50 for 30 minutes at room temperature. Staining of formalin fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at room temperature for 20 minutes.
ICC/IF		Use at an assay dependent concentration.

Target

Relevance The Thomsen Friedenreich antigen acts as an oncofoetal antigen, with low expression in normal adult tissues but increasing to foetal levels of expression in hyperplasia or malignancy. It is considered as a pan carcinoma marker. Can be applied for the detection of cells with TF antigen and is especially applicable for sensitive determination of neuraminidases.

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